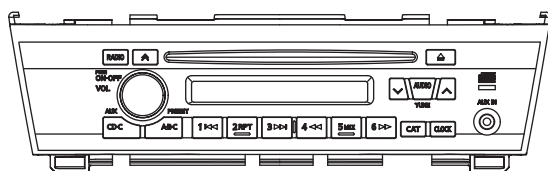
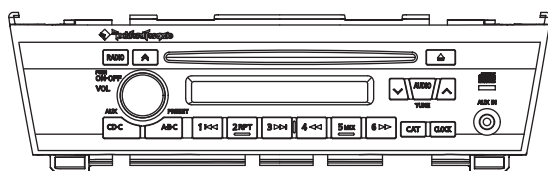


# Service Manual



( PN-2591M-A, M-C )



( PN-2591M-B )

## NISSAN Automobile Genuine FM/AM Radio CD Stereo

### Model **PN-2591M-A**

(Genuine No.28185 6Z760)

(ID No.CY620)

### Model **PN-2591M-B**

(Genuine No.28185 6Z960)

(ID No.CY630)

### Model **PN-2591M-C**

(Genuine No.28185 6Z660)

(ID No.CY610)

## SPECIFICATIONS

### Radio section

Tuning system: PLL frequency synthesizer system

Receive range: AM 530kHz to 1,710kHz

FM 87.75MHz to 107.9MHz

Intermediate frequency:

AM 450+3/-3kHz

FM 10.7+0.3/-0.3MHz

Quieting sensitivity: AM Less than 32dBu(at 20dB S/N)

FM Less than 10dBu(at 30dB S/N)

Separation: FM More than 22+5/-7dB(1kHz)

S/N ratio: AM More than 45dB

FM More than 50dB

Auto tuning stop sensitivity:

AM 32+6/-6dBu

(600/1000/1400kHz)

FM 25+6/-6dBu

(87.9/98.1/107.9MHz)

### CD section

Disc: 12cm Disc

Separation: More than 50dB(Filter:20kHz LPF)

S/N ratio: More than 74dB

Distortion: Less than 0.4%  
(Filter:20kHz LPF)

### General

Load impedance: 4 ohm/CH

Power output: 40W x 4

Power supply voltage: DC13.2V(10.8V to 16.0V)

Negative ground

Back-up consumption: Less than 3mA

Dimensions(mm): 180(W) x 52(H) x 159(D)

Weight: 1.35kg

## NOTES

- \* We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- \* Specifications and design are subject to change without notice for further improvement.

## COMPONENTS

PN-2591M-A,M-B,M-C

1.Main unit

----- 1

## DIFFERENCE FEATURE LIST

	Amp on signal	Equalizer
PN-2591M-A	Yes	Yes
PN-2591M-B	Yes	Yes
PN-2591M-C	No	No

## To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

### 1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

### 2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

### 3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

### 4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

### 5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

### 6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

### 7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

### 8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

### 9. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

#### 9-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

#### 9-2. Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

#### 9-3. Cleaning the lens

Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

## ADJUSTMENT

Item	Procedure	Measuring instrument
FM noise convergence	1. Input the 98.1MHz/55dBu(1kHz 30% MOD) signal. 2. Adjust the outputs to -18+3/-3dB by VR102 when the SG output is set to -20dBu.	SSG AC volt meter
Clock accuracy	1. Turn on the power switch, pressing the "M4" and "M2" button to make the unit the test mode. 2. Set a universal timer to TP101(T-BASE), adjust TC101 so that a reading of the meter is 0+0.2/-0 sec./day.	Universal timer

# EXPLANATION OF IC

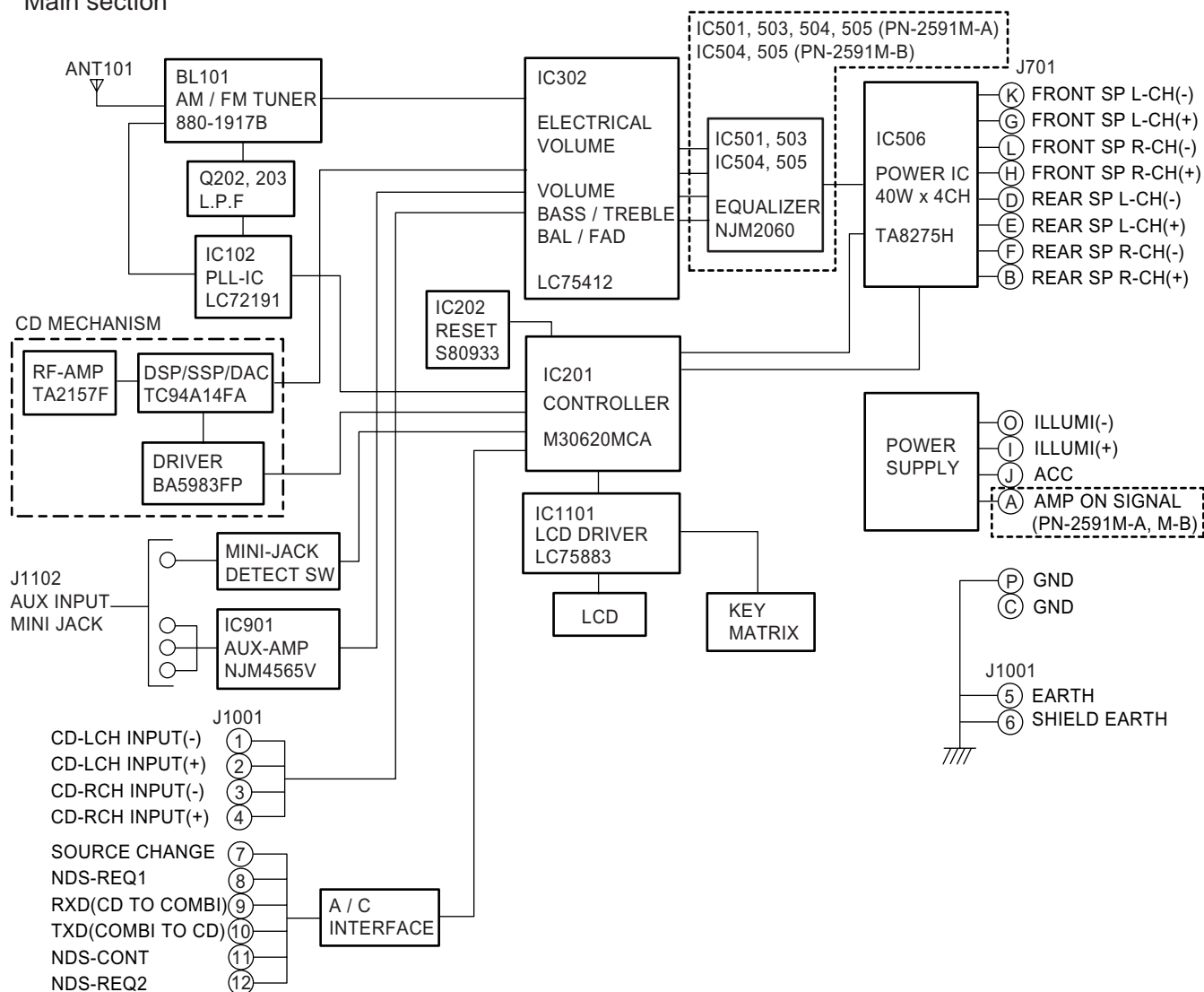
052-3180-00 M30620MCA-1N2GP System Controller

## 1.Terminal Description

pin 1: LCD CLK	: O : The clock pulse output to the LCD driver.	pin 63: PLL CE	: O : The chip enable signal output to the PLL IC.
pin 2: LCD DO	: O : The serial data output to the LCD driver.	pin 64: PLL CLK	: O : The clock pulse output to the PLL IC.
pin 3: LCD DI	: IN: The serial data input from the LCD driver.	pin 65: PLL DO	: O : Serial data output to the PLL IC.
pin 4: ILL PULSE	: IN: Illumination control signal input.	pin 66: PLL DI	: IN: Serial data input from the PLL IC.
pin 5: TIME BASE	: IN: Time base pulse input.	pin 67: ST/TWEET	: I/O: Outputs "L" at AM 900kHz receiving. Inputs "L" at FM stereo receiving.
pin 6: CNT GND	: - : Connect to the ground.	pin 68: LD MUTE	: O : Muting signal output to the CD mechanism.
pin 7: CN VSS	: IN: Connect to VSS.	pin 69: RADIO ON	: O : Radio ON flag output.
pin 8: TEST	: - : For the Test.	pin 70: NU	: - : Not in use.
pin 9: ILL ON	: IN: Illumination ON signal input.	pin 71: NU	: - : Not in use.
pin 10: RESET	: IN: Reset signal input.	pin 72: NU	: - : Not in use.
pin 11: X OUT	: O : Crystal connection.	pin 73: NU	: - : Not in use.
pin 12: GND	: - : Ground.	pin 74: NU	: - : Not in use.
pin 13: X IN	: IN: Crystal connection.	pin 75: NU	: - : Not in use.
pin 14: VDD	: - : Positive supply voltage.	pin 76: NU	: - : Not in use.
pin 15: NU	: - : Not in use.	pin 77: NU	: - : Not in use.
pin 16: BU DET	: IN: Backup detection signal input.	pin 78: NU	: - : Not in use.
pin 17: ACC IN	: IN: ACC ON flag input.	pin 79: NU	: - : Not in use.
pin 18: NU	: - : Not in use.	pin 80: NU	: - : Not in use.
pin 19: SBSY	: IN: Sub code block synchronous signal input.	pin 81: NU	: - : Not in use.
pin 20: AMP ON	: O : Audio power amplifier ON signal output.	pin 82: NU	: - : Not in use.
pin 21: SYS ON	: O : System ON signal output.	pin 83: NU	: - : Not in use.
pin 22: LCD ON	: O : LCD back light ON signal output.	pin 84: NU	: - : Not in use.
pin 23: AF MUTE	: O : Audio frequency signal muting.	pin 85: VOL 1	: IN: Volume control pulse input from the rotary encoder.
pin 24: BEEP	: O : Beep out.	pin 86: VOL 2	: IN: Volume control pulse input from the rotary encoder.
pin 25: NU	: - : Not in use.	pin 87: NU	: - : Not in use.
pin 26: NU	: - : Not in use.	pin 88: NU	: - : Not in use.
pin 27: NU	: - : Not in use.	pin 89: CD EJECT	: IN: CD eject switch signal input.
pin 28: CD ON	: O : CD ON signal output.	pin 90: NU	: - : Not in use.
pin 29: NDS FLASH TX	: O : NDS serial data output for external A/C.	pin 91: ILL DET	: IN: Illumination ON signal input.
pin 30: NDS FLASH RX	: IN: NDS serial data input for external A/C.	pin 92: NU	: - : Not in use.
pin 31: FLASH CLK	: O : The clock pulse output for the flash memory.	pin 93: NU	: - : Not in use.
pin 32: NU	: - : Not in use.	pin 94: A VSS	: - : Analog ground.
pin 33: NU	: - : Not in use.	pin 95: NU	: - : Not in use.
pin 34: NU	: - : Not in use.	pin 96: Vref	: - : Reference voltage.
pin 35: NDS CNT	: O : Low = A/C 1, High = A/C 2.	pin 97: A VCC	: - : Positive supply voltage for the internal analog section.
pin 36: NDS REQ 2	: IN: NDS request signal input.	pin 98: POWER SW	: IN: Power switch ON signal input.
pin 37: NDS REQ 1	: IN: NDS request signal input.	pin 99: LCD RESET	: O : Reset pulse output to LCD.
pin 38: SOURCE CHG	: O : The signal source change signal output.	pin100: LCD CE	: O : The chip enable signal output to the LCD driver.
pin 39: FLASH EPM	: O : FLASH EPM.		
pin 40: VOL DO	: O : Serial data output to the volume IC.		
pin 41: VOL CLK	: O : The clock pulse output to the volume IC.		
pin 42: VOL CE	: O : The chip enable signal output to the volume IC.		
pin 43: NU	: - : Not in use.		
pin 44: FLASH CE	: O : The chip enable signal output to the flash memory.		
pin 45: NU	: - : Not in use.		
pin 46: JACK ON	: IN: AUX detection signal input.		
pin 47: NU	: - : Not in use.		
pin 48: CD CONNECT	: IN: CD connection check signal input.		
pin 49: BUC 0	: I/O: CD IC Data input / output.		
pin 50: BUC 1	: I/O: CD IC Data input / output.		
pin 51: BUC 2	: I/O: CD IC Data input / output.		
pin 52: BUC 3	: I/O: CD IC Data input / output.		
pin 53: BUC CLOCK	: O : CD IC clock pulse output.		
pin 54: CCE	: O : The chip enable signal output.		
pin 55: CD RESET	: O : The reset pulse output to the CD IC.		
pin 56: S STOP	: IN: Inside limit signal input from the CD mechanism.		
pin 57: CHU SW	: IN: CD disc chucking signal input.		
pin 58: TR A	: IN: Photo sensor signal input from the CD mechanism.		
pin 59: TR B	: IN: Photo sensor signal input from the CD mechanism.		
pin 60: VDD	: - : Positive supply voltage.		
pin 61: LD CONT	: I/O: Loading motor control signal input/output.		
pin 62: GND	: - : Ground.		

# BLOCK DIAGRAM

## Main section



# EXPLODED VIEW/PARTS LIST

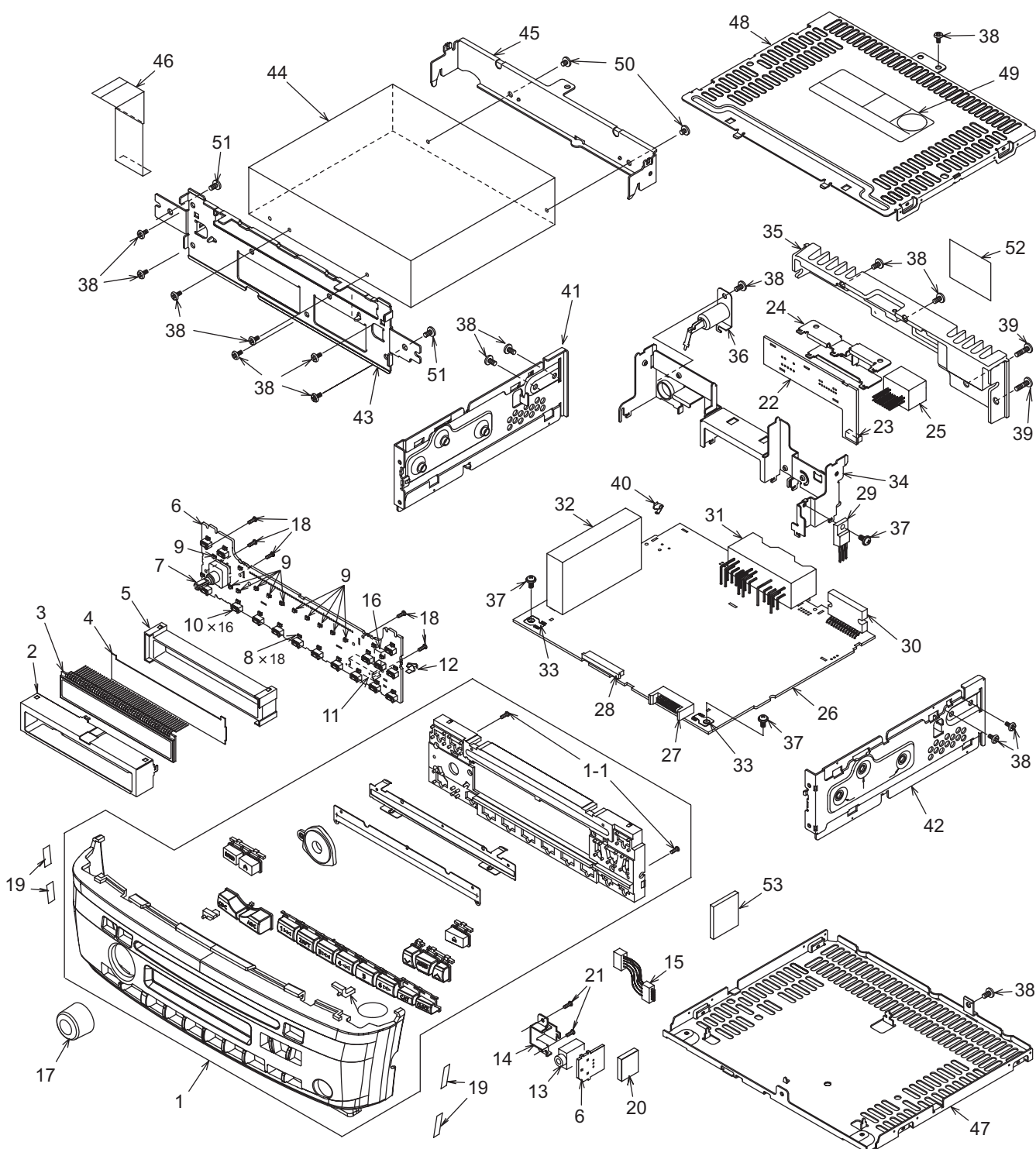
## Main section

Note) Some parts depend on each model. The model name is specified in the description.

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	940-8019-83	ESCUTCHEON ASSY (PN-2591M-A)	1	15	854-4562-00	EXTENSION LEAD	1
	940-8019-84	ESCUTCHEON ASSY (PN-2591M-B)		16	076-0478-55	PLUG	1
	940-8019-85	ESCUTCHEON ASSY (PN-2591M-C)		17	380-5562-80	KNOB	1
1-1	716-0872-00	PAD SCREW	2	18	716-0872-00	PAD SCREW(M1.7 x 5)	5
2	331-3621-00	LCD COVER	1	19	347-2510-00	CUSHION TAPE	4
3	379-1268-30	INDICATOR	1	20	345-5324-00	CUSHION RUBBER	1
4	335-6968-00	COLOR FILTER	1	21	716-0778-00	WAVE SCREW	2
5	335-6967-80	LCD HOLDER	1	22	039-2325-00	SUB PWB (WITHOUT COMPONENT)	1
6	039-2324-00	SWITCH PWB (WITHOUT COMPONENT)	1	23	076-0544-12	PLUG(12P)	1
7	016-0010-09	VR-W/SHAFT	1	24	331-3252-00	OUTLET HOLDER	1
8	001-7063-91	LED(YEL)	18	25	074-1013-30	OUTLET SOCKET	1
9	001-7048-96	LED(YEL)	11	26	039-2323-00	MAIN PWB (WITHOUT COMPONENT)	1
10	013-6302-50	SWITCH	16	27	076-0648-20	PLUG(20P)	1
11	074-1279-70	OUTLET SOCKET(20P)	1	28	074-1191-26	OUTLET SOCKET(26P)	1
12	073-0774-00	TERMINAL	1	29	103-2012-00	TRANSISTOR	1
13	075-0306-00	JACK	1	30	051-2042-00	IC(TA8275H)	1
14	331-3623-00	JACK HOLDER	1	31	074-1068-11	OUTLET SOCKET	1

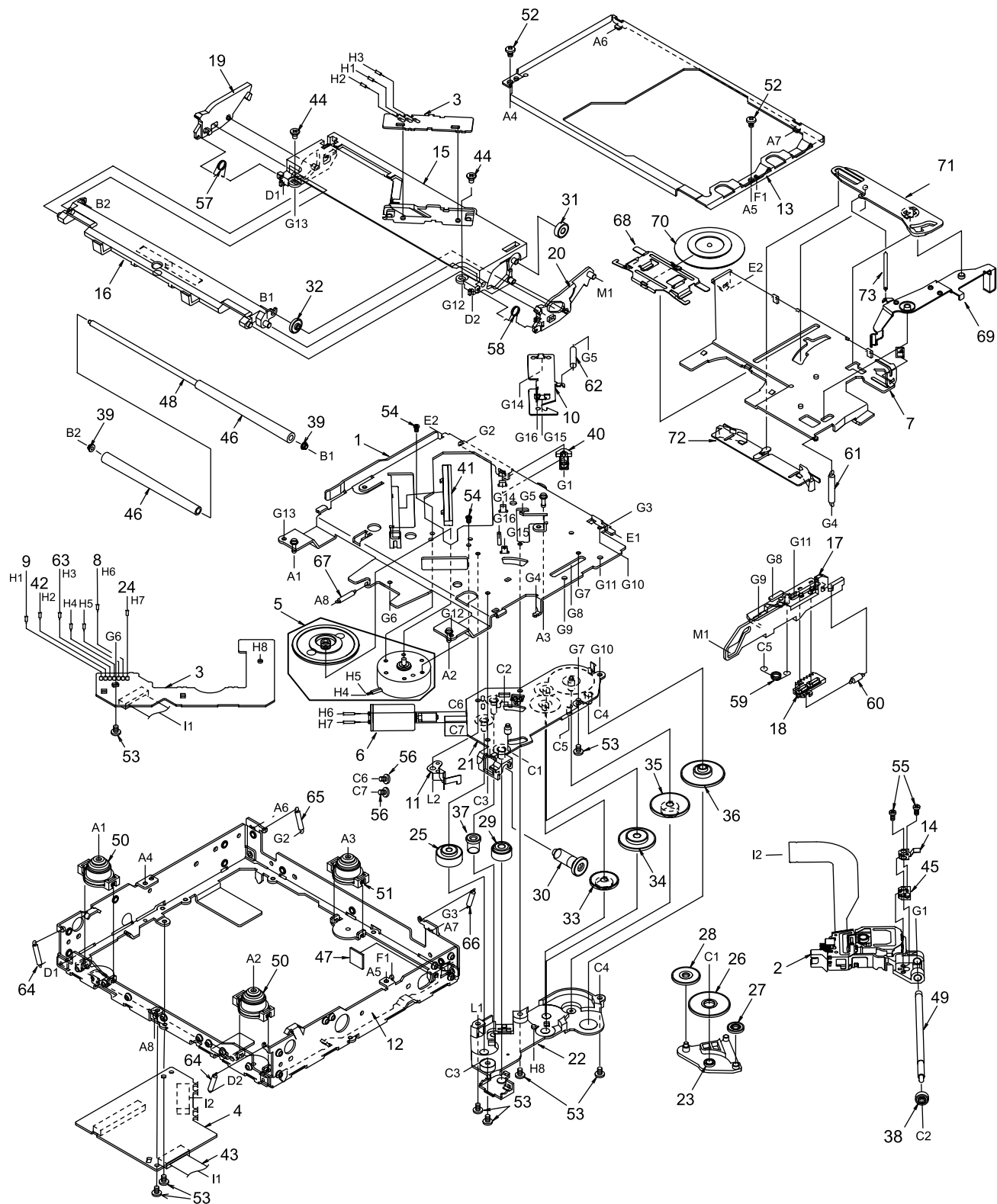
NO.	PART NO.	DESCRIPTION	Q'TY
32	880-1917B	AM/FM TUNER	1
33	073-0762-90	TERMINAL	2
34	307-0683-05	REAR PLATE	1
35	313-1825-25	HEAT SINK	1
36	092-0702-00	ANT RECEPT	1
37	716-0878-00	IT SCREW(M2.6 x 5)	3
38	714-2606-81	MACHINE SCREW(M2.6 x 6)	16
39	714-2612-81	MACHINE SCREW(M2.6 x 12)	2
40	073-0774-00	TERMINAL	1
41	305-0316-00	SIDE PLATE(L)	1
42	305-0317-00	SIDE PLATE(R)	1
43	331-3624-00	ES-PLATE	1

NO.	PART NO.	DESCRIPTION	Q'TY
44	929-0220-83	CD MECHANISM	1
45	331-3254-10	MECH-BRACKET	1
46	816-2549-00	FLAT WIRE	1
47	311-1833-10	LOWER CASE	1
48	310-1739-10	UPPER CASE	1
49	286-9269-28 286-9269-29 286-9269-30	SETPLATE(PN-2591M-A) SETPLATE(PN-2591M-B) SETPLATE(PN-2591M-C)	1
50	714-2603-81	MACHINE SCREW(M2.6 x 3)	2
51	702-3008-81	TAP SCREW	2
52	347-5206-00	SHIELD SHEET	1
53	345-5325-00	CUSHION RUBBER	1





# CD mechanism section



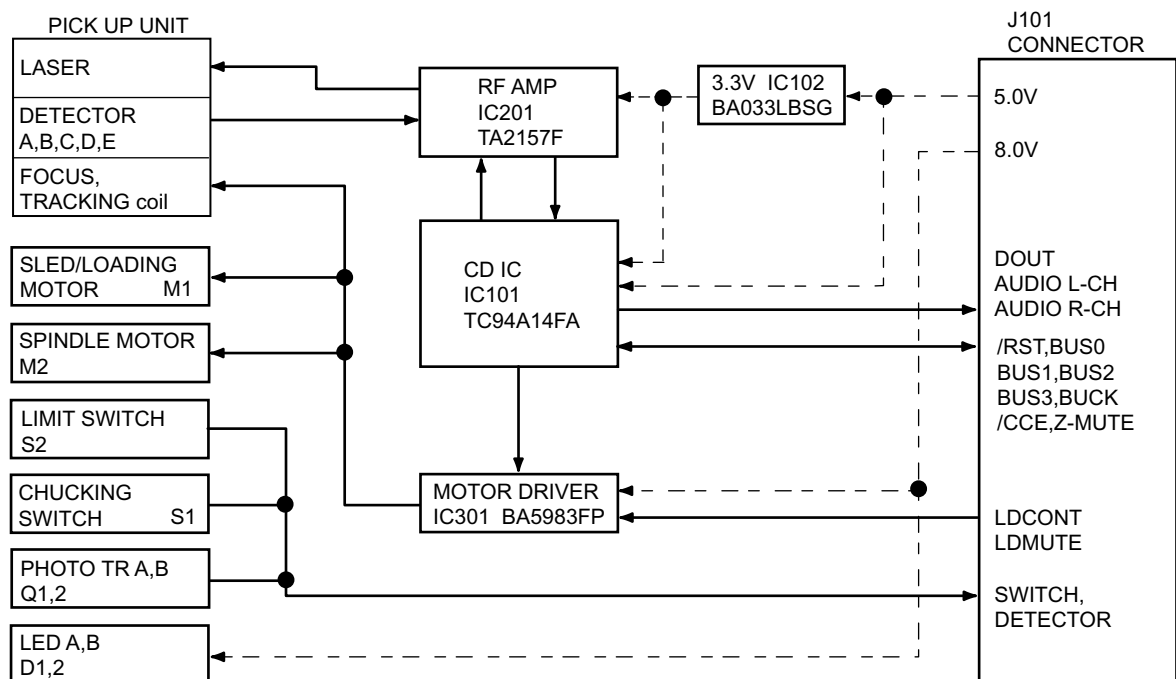
NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0595-25	DRIVE PLATE ASSY	1
2	969-0060-30	PICK UP UNIT	1
3	039-1944-21	LED PWB (WITHOUT COMPONENT)	1
4	039-1945-20	CD PWB (WITHOUT COMPONENT)	1
5	SMA-182-100	MOTOR ASSY(SPINDELE)	1
6	SMA-183-100	MOTOR ASSY(SLED)	1
7	620-1022-25	CLAMPER LINK	1
8	803-4906-60	VINYL COAT WIRE(ORG)	1

NO.	PART NO.	DESCRIPTION	Q'TY
9	816-2591-00	LEAD WIRE(YEL)	1
10	620-1025-22	ID-LOCK PLATE	1
11	620-1026-21	SPRING PLATE	1
12	620-1027-26	LOWER CHASSIS	1
13	620-1028-23	UPPER CHASSIS	1
14	966-0638-20	SH-RACK ASSY	1
15	621-0598-27	UPPER GUIDE	1
16	621-0718-21	ROLLER GUIDE	1
17	621-0600-26	SHIFT LEVER	1

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
18	621-0601-21	RACK	1	46	621-0629-20	LOADING ROLLER	2
19	621-0602-22	LOCK ARM L	1	47	345-8704-20	CUSHION RUBBER	1
20	621-0603-25	LOCK ARM R	1	48	622-1660-20	ROLLER SHAFT	1
21	621-0724-20	GEAR BASE	1	49	624-0018-01	LEAD SCREW	1
22	621-0605-22	GEAR COVER	1	50	629-0081-20	DAMPER F	2
23	621-0606-21	IDLE CASE	1	51	629-0082-20	DAMPER R	1
24	816-2590-00	VINYL COAT WIRE(GRN)	1	52	714-2003-81	MACHINE SCREW	2
25	621-0608-21	SECOND GEAR	1	53	716-1507-00	SCREW	9
26	621-0609-20	BASE GEAR	1	54	716-1733-00	SCREW	2
27	621-0610-20	IDLE GEAR A	1	55	716-3469-00	SCREW	2
28	621-0611-20	IDLE GEAR B	1	56	716-3446-00	SCREW	2
29	621-0612-21	ROLLER GEAR A	1	57	750-3465-21	ROLLER SPRING L	1
30	621-0613-20	ROLLER GEAR B	1	58	750-3466-20	ROLLER SPRING R	1
31	621-0614-20	ROLLER GEAR C	1	59	750-3467-21	SHIFT SPRING	1
32	621-0615-21	ROLLER GEAR D	1	60	750-3468-20	RACK SPRING	1
33	621-0616-20	POWER GEAR A	1	61	750-3469-20	CLAMPER SPRING	1
34	621-0617-20	POWER GEAR B	1	62	750-3470-20	ID-LOCK SPRING	1
35	621-0618-20	POWER GEAR C	1	63	816-2592-00	LEAD WIRE(BLU)	1
36	621-0619-20	POWER GEAR D	1	64	750-3472-21	DR-SPRING F	2
37	621-0620-20	THREAD GEAR A	1	65	750-3473-20	DR-SPRING RA	1
38	621-0621-20	THREAD GEAR B	1	66	750-3474-20	DR-SPRING RB	1
39	621-0622-21	ROLLER SLEEVE	2	67	750-3475-21	DR-SPRING C	1
40	621-0623-22	LS-HOLDER	1	68	620-1023-23	CLAMPER PLATE	1
41	621-0624-22	GUIDE RAIL	1	69	620-1024-23	SENSOR ARM	1
42	816-2593-00	LEAD WIRE(PUR)	1	70	621-0708-20	CLAMPER RING	1
43	816-2542-01	FLAT WIRE(10P)	1	71	621-0626-21	STOPPER LINK	1
44	716-3473-00	SCREW	2	72	621-0627-21	DISC STOPPER	1
45	621-0709-20	SH-BASE	1	73	750-3471-20	SENSOR SPRING	1

## BLOCK DIAGRAM

CD mechanism section



# ELECTRICAL PARTS LIST

## Main PWB section(B1)

Note) Several different parts of the same reference number are alternative parts.

One of those parts is used in the set.

Some parts depend on each model. The model name is specified in the description.

(M-A) : PN-2591M-A / (M-B) : PN-2591M-B / (M-C) : PN-2591M-C

REF No.	PART No.	DESCRIPTION
ANT101	092-0702-00	ANT RECEPT
BL101	880-1917B	AM/FM TUNER
C104	119-0000-05	1/16W 0 ohm JW
C114	166-1007-50	10pF CH
C115	043-0277-51	0.022uF
C117	043-0277-51	0.022uF
C118	168-1022-55	1000pF
C119	182-1073-29	10V100uF
C120	042-0458-90	50V1uF
C122	182-1073-29	10V100uF
C123	182-1073-29	10V100uF
C125	182-4763-39	16V47uF
C126	183-1056-68	50V1uF NP
C127	168-8222-55	8200pF
C128	168-4732-78	0.047uF
C129	168-4732-78	0.047uF
C130	166-1201-50	12pF CH
C131	166-2201-50	22pF CH
C132	166-2201-50	22pF CH
C133	166-1501-50	15pF CH
C134	168-1022-55	1000pF
C135	168-1042-78	16V 0.1uF
C136	168-1042-78	16V 0.1uF
C137	166-2201-50	22pF CH
C139	166-1801-50	18pF CH
C140	183-4763-39	16V47uF
C141	168-2232-55	0.022uF
C201	168-1022-55	1000pF
C202	168-1022-55	1000pF
C203	166-1011-50	100pF CH
C204	166-1011-50	100pF CH
C205	166-1011-50	100pF CH
C206	166-1011-50	100pF CH
C207	168-1022-55	1000pF
C210	166-1011-50	100pF CH
C211	166-1011-50	100pF CH
C213	184-3373-29	10V330uF
C214	168-1042-78	16V 0.1uF
C215	184-3373-29	10V330uF
C216	168-1042-78	16V 0.1uF
C217	042-0403-55	16V33uF
C218	042-0403-55	16V33uF
C219	168-1022-55	1000pF
C301	168-4722-55	4700pF
C303	183-4763-39	16V47uF
C305	166-2201-50	22pF CH
C306	184-2273-28	10V220uF
C307	183-1063-39	16V10uF
C315	182-2263-19	6.3V22uF
C316	182-1053-69	50V1uF
C317	168-1042-78	16V 0.1uF
C318	178-1042-78	0.1uF
C319	178-1042-78	0.1uF
C320	168-1042-78	16V 0.1uF
C321	182-1053-69	50V1uF
C322	178-3942-78	0.39uF
C323	178-3942-78	0.39uF
C325	182-1053-69	50V1uF
C326	182-1053-69	50V1uF
C328	182-1063-39	16V10uF
C329	182-1063-39	16V10uF
C330	182-1063-39	16V10uF
C331	182-1063-39	16V10uF
C332	178-1842-78	0.18uF
C333	178-1842-78	0.18uF
C334	178-1842-78	0.18uF
C335	178-1842-78	0.18uF
C336	168-8212-55	820pF
C337	168-8212-55	820pF
C338	168-8212-55	820pF
C339	168-8212-55	820pF
C340	182-1063-39	16V10uF
C341	182-1063-39	16V10uF
C342	168-1832-55	0.018uF

REF No.	PART No.	DESCRIPTION
C343	182-1063-39	16V10uF
C344	182-1063-39	16V10uF
C345	182-1063-39	16V10uF
C346	182-1063-39	16V10uF
C401	168-2222-55	2200pF
C402	168-2222-55	2200pF
C403	168-1022-55	1000pF
C405	168-1022-55	1000pF
C406	168-1022-55	1000pF
C407	168-1022-55	1000pF
C408	168-2232-55	0.022uF
C409	182-1063-39	16V10uF
C410	182-1063-39	16V10uF
C411	182-1063-39	16V10uF
C412	182-1063-39	16V10uF
C502	168-5612-55	560pF(M-A)
C504	168-5612-55	560pF(M-A)
C505	166-2201-50	22pF CH(M-A)
C506	166-2201-50	22pF CH(M-A)
C508	166-2201-50	22pF CH(M-A)
C509	166-2201-50	22pF CH(M-A)
C512	166-2201-50	22pF CH(M-A)
C513	166-2201-50	22pF CH(M-A)
C515	166-2201-50	22pF CH(M-A)
C516	166-2201-50	22pF CH(M-A)
C529	178-2242-78	0.22uF(M-A)
C530	178-5632-78	0.056uF(M-A)
C531	178-4742-78	0.47uF(M-A)
C531	178-1242-78	0.12uF(M-B)
C532	178-4742-78	0.47uF(M-A)
C532	178-1242-78	0.12uF(M-B)
C533	178-5632-78	0.056uF(M-A)
C534	178-1842-78	0.18uF(M-A)
C535	178-3932-78	0.039uF(M-A)
C535	178-5632-78	0.056uF(M-B)
C536	178-3932-78	0.039uF(M-A)
C536	178-5632-78	0.056uF(M-B)
C537	166-2201-50	22pF CH(M-A)
C538	166-2201-50	22pF CH(M-A)
C539	166-2201-50	22pF CH(M-A,M-B)
C540	166-2201-50	22pF CH(M-A,M-B)
C541	166-2201-50	22pF CH(M-A)
C542	166-2201-50	22pF CH(M-A)
C543	166-2201-50	22pF CH(M-A,M-B)
C544	166-2201-50	22pF CH(M-A,M-B)
C545	178-1832-78	0.018uF(M-A)
C546	178-1832-78	0.018uF(M-A)
C547	178-1032-78	0.01uF(M-A)
C547	178-3922-78	3900pF(M-B)
C548	178-1032-78	0.01uF(M-A)
C548	178-3922-78	3900pF(M-B)
C549	178-2232-78	0.022uF(M-A)
C550	178-3332-78	0.033uF(M-A)
C551	178-6832-78	0.068uF(M-A)
C551	178-1232-78	0.012uF(M-B)
C552	178-6832-78	0.068uF(M-A)
C552	178-1232-78	0.012uF(M-B)
C553	178-8232-78	0.082uF(M-A)
C553	117-0000-05	1/8W 0 ohm JW (M-B,M-C)
C554	178-8232-78	0.082uF(M-A)
C554	117-0000-05	1/8W 0 ohm JW (M-B,M-C)
C555	178-1242-78	0.12uF(M-A)
C555	178-2732-78	0.027uF(M-B)
C555	117-0000-05	1/8W 0 ohm JW (M-C)
C556	178-1242-78	0.12uF(M-A)
C556	178-2732-78	0.027uF(M-B)
C556	117-0000-05	1/8W 0 ohm JW (M-C)
C557	178-8232-78	0.082uF(M-A)
C557	117-0000-05	1/8W 0 ohm JW (M-B)

REF No.	PART No.	DESCRIPTION
C558	178-1242-78	0.12uF(M-A)
C558	178-2732-78	0.027uF(M-B)
C559	166-2201-50	22pF CH(M-A,M-B)
C560	166-2201-50	22pF CH(M-A,M-B)
C561	166-2201-50	22pF CH(M-A,M-B)
C562	166-2201-50	22pF CH(M-A,M-B)
C563	178-8232-78	0.082uF(M-A)
C563	117-0000-05	1/8W 0 ohm JW (M-B)
C564	178-1242-78	0.12uF(M-A)
C564	178-2732-78	0.027uF(M-B)
C565	168-1032-55	0.01uF
C566	168-2232-55	0.022uF
C567	168-1032-55	0.01uF
C568	178-6832-78	0.068uF(M-A)
C568	178-2242-78	0.22uF(M-B)
C568	178-3332-78	0.033uF(M-C)
C569	178-6832-78	0.068uF(M-A)
C569	178-2242-78	0.22uF(M-B)
C569	178-3332-78	0.033uF(M-C)
C570	178-2242-78	0.22uF(M-A,M-B)
C570	178-3332-78	0.033uF(M-C)
C571	178-2242-78	0.22uF(M-A,M-B)
C571	178-3332-78	0.033uF(M-C)
C573	182-1053-69	50V1uF
C574	183-2253-69	50V2.2uF
C582	183-1053-69	50V1uF
C583	178-2242-78	0.22uF
C701	172-1041-15	0.1uF
C702	042-0447-00	16V2200uF
C703	168-2222-55	2200pF
C704	168-2222-55	2200pF
C705	168-2222-55	2200pF
C706	168-2222-55	2200pF
C707	168-2222-55	2200pF
C708	168-2222-55	2200pF
C709	168-2222-55	2200pF
C710	168-2222-55	2200pF
C712	172-1041-15	0.1uF
C713	182-1063-39	16V10uF
C714	183-6843-69	50V0.68uF
C715	168-2232-55	0.022uF
C716	178-1042-55	0.1uF
C802	182-4763-39	16V47uF
C803	182-1063-39	16V10uF
C804	182-4763-19	6.3V47uF
C805	182-4763-19	6.3V47uF
C806	182-1063-39	16V10uF
C807	182-1063-39	16V10uF
C808	168-1042-78	16V 0.1uF
C809	184-4773-39	16V470uF
C810	183-4756-58	35V4.7uF NP
C811	168-1042-78	16V 0.1uF
C812	168-1042-78	16V 0.1uF
C813	183-1063-39	16V10uF
C901	166-2201-50	22pF CH
C902	166-2201-50	22pF CH
C903	166-2201-50	22pF CH
C904	166-2201-50	22pF CH
C905	166-2201-50	22pF CH
C906	166-2201-50	22pF CH
C907	168-1042-78	16V 0.1uF
C908	168-1042-78	16V 0.1uF
C909	168-1042-78	16V 0.1uF
C910	168-1042-78	16V 0.1uF
CCT201	050-0140-54	1/32W 1k ohm x4J
CCT202	050-0140-54	1/32W 1k ohm x4J
CCT203	050-0140-54	1/32W 1k ohm x4J
CCT204	050-0140-54	1/32W 1k ohm x4J
CCT205	050-0140-54	1/32W 1k ohm x4J
CCT206	050-0140-54	1/32W 1k ohm x4J
CCT207	050-0140-54	1/32W 1k ohm x4J
CCT208	050-0140-54	1/32W 1k ohm x4J
CCT209	050-0140-54	1/32W 1k ohm x4J



REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
CCT210	050-0140-54	1/32W 1k ohm x4J	R119	111-1001-98	1/4W 10 ohm	R421	032-0106-64	1/10W 56k ohm D
CCT211	050-0140-54	1/32W 1k ohm x4J	R120	111-2221-98	1/4W 2.2k ohm	R422	119-4731-15	1/10W 47k ohm
CCT212	050-0140-54	1/32W 1k ohm x4J	R121	111-1031-98	1/4W 10k ohm	R423	119-1031-15	1/10W 10k ohm
CCT213	050-0140-54	1/32W 1k ohm x4J	R122	119-1021-15	1/10W 1k ohm	R424	119-5631-15	1/10W 56k ohm
CCT214	050-0140-54	1/32W 1k ohm x4J	R123	111-1031-98	1/4W 10k ohm	R425	119-5621-15	1/10W 5.6k ohm
D401	001-0422-38	MTZJ36	R124	111-2221-98	1/4W 2.2k ohm	R426	116-8211-15	1/4W 820 ohm
D402	001-0589-91	1SS145	R126	119-8201-15	1/10W 82 ohm	R501	119-3331-15	1/10W 33k ohm
D403	001-0589-91	1SS145	R128	119-4721-15	1/10W 4.7k ohm			(M-A)
D404	001-0347-44	MA4082M	R129	119-4721-15	1/10W 4.7k ohm	R501	119-1031-15	1/10W 10k ohm
D405	001-0589-91	1SS145	R130	119-4731-15	1/10W 47k ohm			(M-B)
D406	001-0529-72	MA8200-M	R198	119-0000-05	1/10W 0 ohm JW	R501	119-0000-05	1/10W 0 ohm JW
D407	001-0529-72	MA8200-M	R199	119-0000-05	1/10W 0 ohm JW			(M-C)
D701	001-2015-00	RL253	R201	119-1021-15	1/10W 1k ohm	R502	119-3331-15	1/10W 33k ohm
D703	001-0347-34	MA4062L	R202	119-1021-15	1/10W 1k ohm			(M-A)
D704	001-0466-90	S5688B	R203	119-1031-15	1/10W 10k ohm	R502	119-1031-15	1/10W 10k ohm
D802	001-0347-48	MA4091H	R204	119-0000-05	1/10W 0 ohm JW			(M-B)
D803	001-0516-90	MA111	R205	119-1031-15	1/10W 10k ohm	R502	119-0000-05	1/10W 0 ohm JW
D804	001-0504-31	HZS6 A2L	R206	119-4731-15	1/10W 47k ohm			(M-C)
D806	001-0504-31	HZS6 A2L	R207	119-4731-15	1/10W 47k ohm	R503	119-3331-15	1/10W 33k ohm
D808	001-0504-45	HZS9B1L	R208	119-4731-15	1/10W 47k ohm			(M-A)
D810	001-0347-46	MA4091L	R209	119-1041-15	1/10W 100k ohm	R503	119-0000-05	1/10W 0 ohm JW
IC102	051-6212-08	LC72191JM-TLM	R210	119-1041-15	1/10W 100k ohm			(M-B,M-C)
IC201	052-3180-00	M30620MCA-1N2GP	R211	119-4731-15	1/10W 47k ohm	R504	119-3331-15	1/10W 33k ohm
IC202	051-5436-08	S-80933ANMP-DDX	R212	119-4731-15	1/10W 47k ohm			(M-A)
IC301	051-3020-90	NJM4565V	R214	119-4731-15	1/10W 47k ohm	R504	119-0000-05	1/10W 0 ohm JW
IC302	051-5027-00	LC75412WH	R215	119-4731-15	1/10W 47k ohm			(M-B,M-C)
IC501	051-3019-90	NJM2060V(M-A)	R216	119-4731-15	1/10W 47k ohm	R505	119-2231-15	1/10W 22k ohm
IC503	051-3019-90	NJM2060V(M-A)	R221	119-4731-15	1/10W 47k ohm			(M-A)
IC504	051-3019-90	NJM2060V	R222	119-4731-15	1/10W 47k ohm	R505	119-3331-15	1/10W 33k ohm
		(M-A,M-B)	R223	119-1031-15	1/10W 10k ohm			(M-B)
IC505	051-3019-90	NJM2060V	R224	119-1031-15	1/10W 10k ohm	R506	119-2231-15	1/10W 22k ohm
		(M-A,M-B)	R225	119-1031-15	1/10W 10k ohm			(M-A)
IC506	051-2042-00	TA8275H	R226	119-4731-15	1/10W 47k ohm	R507	119-2231-15	1/10W 22k ohm
IC701	051-5418-08	S-80827ANMP-EDQ	R227	119-4731-15	1/10W 47k ohm			(M-A)
IC901	051-3020-90	NJM4565V	R228	119-1021-15	1/10W 1k ohm	R507	119-3331-15	1/10W 33k ohm
J201	074-1191-26	26P	R229	119-4731-15	1/10W 47k ohm			(M-B)
J701	074-1068-11	NS10+6	R232	119-2231-15	1/10W 22k ohm	R508	119-2231-15	1/10W 22k ohm
L104	010-2003-04	COIL	R234	119-4731-15	1/10W 47k ohm			(M-A)
L105	010-6009-76	22uH	R235	119-1031-15	1/10W 10k ohm	R510	119-2731-15	1/10W 27k ohm
L202	010-6009-64	2.2uH	R236	119-4731-15	1/10W 47k ohm			(M-A)
L701	009-0670-01	CHOKE	R237	119-4731-15	1/10W 47k ohm	R512	119-2731-15	1/10W 27k ohm
P401	076-0544-12	12P	R239	119-4731-15	1/10W 47k ohm			(M-A)
P701	076-0648-20	20P	R240	119-1041-15	1/10W 100k ohm	R513	119-4721-15	1/10W 4.7k ohm
Q106	190-1150-00	2SA1150	R242	119-4721-15	1/10W 4.7k ohm			(M-A)
Q107	125-2004-92	RN1402	R245	119-1031-15	1/10W 10k ohm	R514	119-1031-15	1/10W 10k ohm
Q108	190-1150-00	2SA1150	R301	119-1021-15	1/10W 1k ohm			(M-A)
Q202	192-2712-51	2SC2712G,L	R302	119-1021-15	1/10W 1k ohm	R515	119-1031-15	1/10W 10k ohm
Q203	192-2712-51	2SC2712G,L	R308	119-4731-15	1/10W 47k ohm			(M-A)
Q401	192-2712-00	2SC2712	R310	119-4731-15	1/10W 47k ohm	R516	119-4721-15	1/10W 4.7k ohm
Q402	125-9006-90	IMX1	R334	119-1021-15	1/10W 1k ohm			(M-A)
Q403	125-2004-92	RN1402	R335	119-1021-15	1/10W 1k ohm	R521	119-4721-15	1/10W 4.7k ohm
Q404	125-0002-92	RN2402	R338	119-4741-15	1/10W 470k ohm			(M-A)
Q407	193-0601-00	2SD601A	R339	119-4731-15	1/10W 47k ohm	R522	119-4721-15	1/10W 4.7k ohm
Q408	125-9003-92	IMD3	R340	119-0000-05	1/10W 0 ohm JW			(M-A)
Q409	125-9003-92	IMD3	R342	119-4721-15	1/10W 4.7k ohm	R523	119-1031-15	1/10W 10k ohm
Q701	192-2712-00	2SC2712	R343	119-4721-15	1/10W 4.7k ohm			(M-A)
Q801	193-2118-00	2SD2118	R346	119-4721-15	1/10W 4.7k ohm	R524	119-1031-15	1/10W 10k ohm
Q802	125-2004-92	RN1402	R347	119-4721-15	1/10W 4.7k ohm			(M-A)
Q803	190-1150-00	2SA1150	R401	119-4731-15	1/10W 47k ohm	R525	119-2221-15	1/10W 2.2k ohm
Q804	125-2004-92	RN1402	R402	116-8211-15	1/4W 820 ohm			(M-A)
Q805	125-0002-92	RN2402	R403	116-8211-15	1/4W 820 ohm	R526	119-2221-15	1/10W 2.2k ohm
Q806	193-1858-00	2SD1858	R404	116-8211-15	1/4W 820 ohm			(M-B)
Q811	193-2118-00	2SD2118	R405	119-1021-15	1/10W 1k ohm	R526	119-0000-05	1/10W 0 ohm JW
Q812	125-9003-92	IMD3	R406	119-5621-15	1/10W 5.6k ohm			(M-C)
Q813	103-2012-00	2SD2012	R407	119-5621-15	1/10W 5.6k ohm	R527	119-2221-15	1/10W 2.2k ohm
Q814	125-9003-92	IMD3	R408	119-5631-15	1/10W 56k ohm			(M-B)
Q816	193-2118-00	2SD2118	R409	119-5631-15	1/10W 56k ohm	R527	119-0000-05	1/10W 0 ohm JW
Q817	193-1306-00	2SD1306	R410	119-1031-15	1/10W 10k ohm			(M-C)
Q818	192-2712-00	2SC2712	R411	119-1031-15	1/10W 10k ohm	R528	119-2221-15	1/10W 2.2k ohm
Q819	125-9003-92	IMD3(M-A,M-B)	R412	119-5631-15	1/10W 56k ohm			(M-A)
R111	119-2221-15	1/10W 2.2k ohm	R413	119-1031-15	1/10W 10k ohm	R529	119-2221-15	1/10W 2.2k ohm
R112	119-2221-15	1/10W 2.2k ohm	R414	119-3011-15	1/10W 300 ohm			(M-A)
R113	119-3321-15	1/10W 3.3k ohm	R415	119-3011-15	1/10W 300 ohm	R530	119-0000-05	1/10W 0 ohm JW
R114	111-2701-98	1/W 27 ohm	R416	119-4731-15	1/10W 47k ohm			(M-B,M-C)
R115	119-2221-15	1/10W 2.2k ohm	R417	119-2231-15	1/10W 22k ohm	R531	119-0000-05	1/10W 0 ohm JW
R116	111-1501-98	1/4W 15 ohm	R418	032-0106-64	1/10W 56k ohm D			(M-B,M-C)
R117	119-4721-15	1/10W 4.7k ohm	R419	032-0106-64	1/10W 56k ohm D	R532	119-2221-15	1/10W 2.2k ohm
R118	119-4741-15	1/10W 470k ohm	R420	032-0106-64	1/10W 56k ohm D			(M-A)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R549	119-1521-15	1/10W 1.5k ohm (M-A)	R574	119-0000-05	1/10W 0 ohm JW (M-C)	R595	119-5631-15	1/10W 56k ohm (M-A,M-C)
R550	119-1521-15	1/10W 1.5k ohm (M-A)	R575	119-1021-15	1/10W 1k ohm (M-A)	R595	119-1821-15	1/10W 1.8k ohm (M-B)
R551	119-1021-15	1/10W 1k ohm (M-A)	R575	119-8221-15	1/10W 8.2k ohm (M-B)	R596	119-5631-15	1/10W 56k ohm (M-A,M-C)
R551	119-2221-15	1/10W 2.2k ohm (M-B)	R576	119-1021-15	1/10W 1k ohm (M-A)	R596	119-1821-15	1/10W 1.8k ohm (M-B)
R552	119-1021-15	1/10W 1k ohm (M-A)	R576	119-8221-15	1/10W 8.2k ohm (M-B)	R597	119-5631-15	1/10W 56k ohm (M-A,M-C)
R552	119-2221-15	1/10W 2.2k ohm (M-B)	R577	119-1031-15	1/10W 10k ohm (M-A,M-B)	R597	119-2731-15	1/10W 27k ohm (M-B)
R553	119-1511-15	1/10W 150 ohm (M-A)	R578	119-1031-15	1/10W 10k ohm (M-A,M-B)	R598	119-5631-15	1/10W 56k ohm (M-A,M-C)
R554	119-1511-15	1/10W 150 ohm (M-A)	R579	119-5131-15	1/10W 51k ohm (M-A,M-B)	R598	119-2731-15	1/10W 27k ohm (M-B)
R555	119-1511-15	1/10W 150 ohm (M-A,M-B)	R580	119-5131-15	1/10W 51k ohm (M-A,M-B)	R599	119-4721-15	1/10W 4.7k ohm
R556	119-1511-15	1/10W 150 ohm (M-A,M-B)	R581	119-5131-15	1/10W 51k ohm (M-A,M-B)	R619	119-4721-15	1/10W 4.7k ohm
R557	119-1541-15	1/10W 150k ohm (M-A)	R582	119-5131-15	1/10W 51k ohm (M-A,M-B)	R701	119-1031-15	1/10W 10k ohm
R558	119-1541-15	1/10W 150k ohm (M-A)	R583	119-1031-15	1/10W 10k ohm (M-A,M-B)	R702	119-5611-15	1/10W 560 ohm
R559	119-1541-15	1/10W 150k ohm (M-A,M-B)	R584	119-1031-15	1/10W 10k ohm (M-A,M-B)	R703	111-1531-98	1/4W 15k ohm
R560	119-1541-15	1/10W 150k ohm (M-A,M-B)	R585	119-1831-15	1/10W 18k ohm (M-A,M-C)	R704	114-2291-11	1W 2.2 ohm
R561	119-1541-15	1/10W 150k ohm (M-A)	R585	119-8231-15	1/10W 82k ohm (M-B)	R705	119-2731-15	1/10W 27k ohm
R562	119-1541-15	1/10W 150k ohm (M-A)	R586	119-1021-15	1/10W 1k ohm (M-A)	R706	119-4731-15	1/10W 47k ohm
R563	119-1541-15	1/10W 150k ohm (M-A,M-B)	R586	119-8221-15	1/10W 8.2k ohm (M-B)	R803	111-4711-98	1/4W 470 ohm
R564	119-1541-15	1/10W 150k ohm (M-A,M-B)	R587	119-1021-15	1/10W 1k ohm (M-A)	R804	111-1021-98	1/4W 1k ohm
R565	119-1511-15	1/10W 150 ohm (M-A)	R587	119-8221-15	1/10W 8.2k ohm (M-B)	R805	119-2231-15	1/10W 22k ohm
R566	119-1511-15	1/10W 150 ohm (M-A)	R588	119-2231-15	1/10W 22k ohm (M-A)	R806	119-4741-15	1/10W 470k ohm
R567	119-1511-15	1/10W 150 ohm (M-A,M-B)	R588	119-0000-05	1/10W 0 ohm JW (M-C)	R807	119-2231-15	1/10W 22k ohm
R568	119-1511-15	1/10W 150 ohm (M-A,M-B)	R589	119-1831-15	1/10W 18k ohm (M-A)	R810	116-2211-15	1/4W 220 ohm
R569	119-1021-15	1/10W 1k ohm (M-A)	R589	119-6831-15	1/10W 68k ohm (M-B)	R814	111-2211-98	1/4W 220 ohm
R570	119-1521-15	1/10W 1.5k ohm (M-A)	R589	119-0000-05	1/10W 0 ohm JW (M-C)	R815	119-1041-15	1/10W 100k ohm
R571	119-1221-15	1/10W 1.2k ohm (M-A)	R590	119-1021-15	1/10W 1k ohm	R818	111-3911-98	1/4W 390 ohm
R571	119-1521-15	1/10W 1.5k ohm (M-B)	R591	119-2221-15	1/10W 2.2k ohm (M-A,M-C)	R819	119-1041-15	1/10W 100k ohm
R572	119-1221-15	1/10W 1.2k ohm (M-A)	R591	119-1031-15	1/10W 10k ohm (M-B)	R825	111-1801-98	1/4W 18 ohm
R572	119-1521-15	1/10W 1.5k ohm (M-B)	R592	119-2221-15	1/10W 2.2k ohm (M-A,M-C)	R826	119-5611-15	1/10W 560 ohm
R573	119-2231-15	1/10W 22k ohm (M-A)	R592	119-1031-15	1/10W 10k ohm (M-B)	R827	119-4721-15	1/10W 4.7k ohm
R573	119-0000-05	1/10W 0 ohm JW (M-C)	R593	119-2221-15	1/10W 2.2k ohm (M-A,M-C)	R828	111-1831-98	1/4W 18k ohm
R574	119-1831-15	1/10W 18k ohm (M-A)	R593	119-1031-15	1/10W 10k ohm (M-B)	R829	111-1801-98	1/4W 18 ohm
R574	119-6831-15	1/10W 68k ohm (M-B)	R594	119-2221-15	1/10W 2.2k ohm (M-A,M-C)	R831	111-8211-98	1/4W 820 ohm (M-A,M-B)
			R594	119-1031-15	1/10W 10k ohm (M-B)	R832	111-8211-98	1/4W 820 ohm (M-A,M-B)
						R833	111-3911-98	1/4W 390 ohm
						R901	119-1531-15	1/10W 15k ohm
						R902	119-1531-15	1/10W 15k ohm
						R903	119-1531-15	1/10W 15k ohm
						R904	119-1531-15	1/10W 15k ohm
						R905	119-1031-15	1/10W 10k ohm
						R906	119-1031-15	1/10W 10k ohm
						R907	119-1031-15	1/10W 10k ohm
						R908	119-1031-15	1/10W 10k ohm
						R909	119-1031-15	1/10W 10k ohm
						R910	119-1031-15	1/10W 10k ohm
						SUP101	060-0122-10	DSP-201M-S00B
						TC101	004-1580-60	30pF
						TM101	073-0762-90	TERMINAL
						TM801	073-0762-90	TERMINAL
						VR102	012-5203-56	10k ohm
						X101	061-1066-00	7.2MHz
						X201	060-1505-50	10MHz

#### Switch PWB section(B2)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1101	166-8211-50	820pF	D1100	001-7048-96	RAY1112H-75M	D1115	001-7048-96	RAY1112H-75M
C1102	168-4732-78	0.047uF	D1101	001-7048-96	RAY1112H-75M	D1116	001-7048-96	RAY1112H-75M
C1103	168-4732-78	0.047uF	D1102	001-7048-96	RAY1112H-75M	D1117	001-7063-91	RAY1102W
C1104	168-1042-78	16V 0.1uF	D1103	001-7048-96	RAY1112H-75M	D1118	001-7063-91	RAY1102W
C1105	042-0416-59	10V33uF	D1104	001-7048-96	RAY1112H-75M	D1119	001-7063-91	RAY1102W
D135	001-0529-72	MA8200-M	D1105	001-7048-96	RAY1112H-75M	D1120	001-7063-91	RAY1102W
D136	001-0529-72	MA8200-M	D1106	001-7048-96	RAY1112H-75M	D1121	001-7063-91	RAY1102W
D137	001-0529-72	MA8200-M	D1107	001-7048-96	RAY1112H-75M	D1122	001-7063-91	RAY1102W
D138	001-0529-72	MA8200-M	D1114	001-7048-96	RAY1112H-75M	D1123	001-7063-91	RAY1102W

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
D1124	001-7063-91	RAY1102W	D1157	001-0529-32	MA8056-M	R1114	116-5611-15	1/4W 560 ohm
D1125	001-7063-91	RAY1102W	D1158	001-0529-32	MA8056-M	R1115	116-5611-15	1/4W 560 ohm
D1126	001-7063-91	RAY1102W	D1159	001-0529-32	MA8056-M	S1101	013-6302-50	SKQMAL
D1127	001-7063-91	RAY1102W	D1160	001-0529-32	MA8056-M	S1102	013-6302-50	SKQMAL
D1128	001-7063-91	RAY1102W	IC1101	051-6064-00	LC75883W	S1103	013-6302-50	SKQMAL
D1129	001-7063-91	RAY1102W	J1101	074-1279-70	20P	S1104	013-6302-50	SKQMAL
D1130	001-7063-91	RAY1102W	J1102	075-0306-00	JACK	S1105	013-6302-50	SKQMAL
D1131	001-7063-91	RAY1102W	LCD1101	379-1268-30	LCD	S1106	013-6302-50	SKQMAL
D1132	001-7063-91	RAY1102W	P1101	076-0478-55	PLUG	S1107	013-6302-50	SKQMAL
D1133	001-7063-91	RAY1102W	R1101	119-6831-15	1/10W 68k ohm	S1109	013-6302-50	SKQMAL
D1134	001-7063-91	RAY1102W	R1102	119-3911-15	1/10W 390 ohm	S1110	013-6302-50	SKQMAL
D1145	001-0516-90	MA111	R1103	119-3911-15	1/10W 390 ohm	S1111	013-6302-50	SKQMAL
D1146	001-0516-90	MA111	R1104	119-3911-15	1/10W 390 ohm	S1112	013-6302-50	SKQMAL
D1147	001-0516-90	MA111	R1105	119-3911-15	1/10W 390 ohm	S1114	013-6302-50	SKQMAL
D1148	001-0516-90	MA111	R1109	116-5611-15	1/4W 560 ohm	S1115	013-6302-50	SKQMAL
D1152	001-0529-32	MA8056-M	R1110	116-5611-15	1/4W 560 ohm	S1116	013-6302-50	SKQMAL
D1153	001-0529-32	MA8056-M	R1111	116-5611-15	1/4W 560 ohm	S1117	013-6302-50	SKQMAL
D1154	001-0529-32	MA8056-M	R1112	116-5611-15	1/4W 560 ohm	S1121	013-6302-50	SKQMAL
D1155	001-0529-32	MA8056-M	R1113	116-5611-15	1/4W 560 ohm			

#### Sub PWB section(B3)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
J1001	074-1013-30	OUTLET SOCKET	P1001	076-0544-12	12P

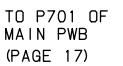
#### CD PWB section(B4) : CD mechanism

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C101	168-1042-78	0.1uF	C207	043-0533-50	0.047uF	R108	033-1531-15	1/16W 15k ohm
C102	045-4701-50	47pF	C208	046-6822-58	6800pF	R109	033-1031-15	1/16W 10k ohm
C103	046-4722-58	4700pF	C209	168-1042-78	0.1uF	R110	033-1051-15	1/16W 1M ohm
C104	168-1042-78	0.1uF	C210	043-0533-50	0.047uF	R111	033-3321-15	1/16W 3.3k ohm
C105	046-1532-78	0.015uF	C211	168-1042-78	0.1uF	R114	033-2211-15	1/16W 220 ohm
C106	046-1032-78	0.01uF	C212	168-1042-78	0.1uF	R115	033-2211-15	1/16W 220 ohm
C107	046-1032-78	0.01uF	C213	045-5096-50	5pF	R116	033-1031-15	1/16W 10k ohm
C108	046-4722-58	4700pF	C214	045-5601-50	56pF	R117	033-1021-15	1/16W 1k ohm
C109	046-1522-58	1500pF	C215	043-0533-50	0.047uF	R131	033-4711-15	1/16W 470 ohm
C110	046-3332-78	0.033uF	C216	178-1052-78	1uF	R132	033-2211-15	1/16W 220 ohm
C111	168-1042-78	0.1uF	C217	045-1011-50	100pF	R201	117-2201-15	1/10W 22 ohm
C112	046-3332-78	0.033uF	C301	163-1073-35	16V100uF	R202	117-2201-15	1/10W 22 ohm
C113	168-1042-78	0.1uF	C302	168-1042-78	0.1uF	R203	033-1041-15	1/16W 100k ohm
C114	168-1042-78	0.1uF	C303	043-0533-50	0.047uF	R204	033-1041-15	1/16W 100k ohm
C115	046-4712-58	470pF	CCT1	050-0140-54	1k ohm x 4	R205	033-1041-15	1/16W 100k ohm
C116	046-4712-58	470pF	D201	001-0516-90	MA111	R206	033-1041-15	1/16W 100k ohm
C117	043-0533-50	0.047uF	IC101	051-6376-00	TC94A14FA	R207	033-1041-15	1/16W 100k ohm
C118	043-0533-50	0.047uF	IC102	051-3279-90	BA033LBSG	R208	033-8231-15	1/16W 82k ohm
C119	045-2701-50	27pF	IC201	051-5710-90	TA2157F	R209	033-6811-15	1/16W 680 ohm
C120	045-1801-50	18pF	IC301	051-6049-08	BA5983FP-E2	R210	033-6831-15	1/16W 68k ohm
C121	163-1063-35	16V10uF	J101	074-1228-76	26P	R211	033-1831-15	1/16W 18k ohm
C122	178-1052-78	1uF	J201	074-1138-65	15P	R212	033-2721-15	1/16W 2.7k ohm
C123	046-1032-78	0.01uF	J301	074-1138-60	10P	R213	033-1011-15	1/16W 100 ohm
C124	163-1073-05	4V100uF	L101	010-2285-57	BLM21B102SPT	R214	033-1021-15	1/16W 1k ohm
C125	168-1042-78	0.1uF	L102	010-2285-57	BLM21B102SPT	R215	033-1031-15	1/16W 10k ohm
C126	168-1042-78	0.1uF	L103	010-2285-57	BLM21B102SPT	R217	033-1041-15	1/16W 100k ohm
C129	178-1052-78	1uF	L104	010-2285-57	BLM21B102SPT	R218	033-2211-15	1/16W 220 ohm
C201	163-3363-05	4V33uF	L105	010-2285-57	BLM21B102SPT	R301	117-6811-15	1/16W 680 ohm
C202	168-1042-78	0.1uF	L401	010-3050-93	10uH	R304	033-3921-15	1/16W 3.9k ohm
C203	178-1052-78	1uF	Q201	131-1188-50	2SB1188	R305	033-3921-15	1/16W 3.9k ohm
C204	163-1073-05	4V100uF	R102	033-5621-15	1/16W 5.6k ohm	R306	033-1041-15	1/16W 100k ohm
C205	163-3363-05	4V33uF	R104	033-4731-15	1/16W 47k ohm	R307	033-2211-15	1/16W 220 ohm
C206	168-1042-78	0.1uF	R105	033-1041-15	1/16W 100k ohm	X102	060-1528-90	16.934M

#### LED PWB section(B5) : CD mechanism

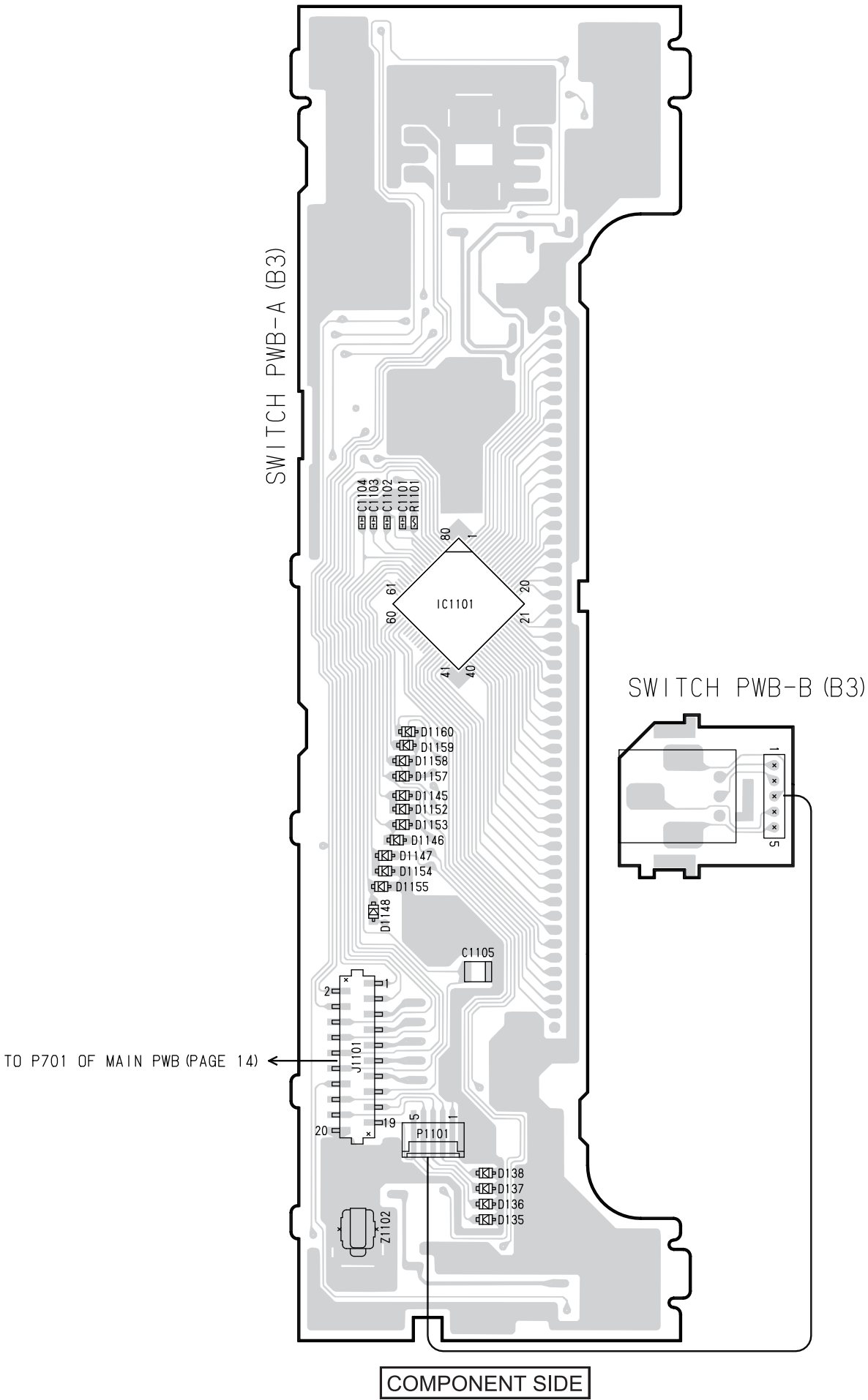
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
D1	001-7058-90	AN1105W-RR	Q1	060-4015-90	PS1192H	S1	013-7414-50	CHUCKING
D2	001-7058-90	AN1105W-RR	Q2	060-4015-90	PS1192H	S2	013-7413-50	LIMIT
J1	074-1138-60	10P						

### Switch PWB(B3) section

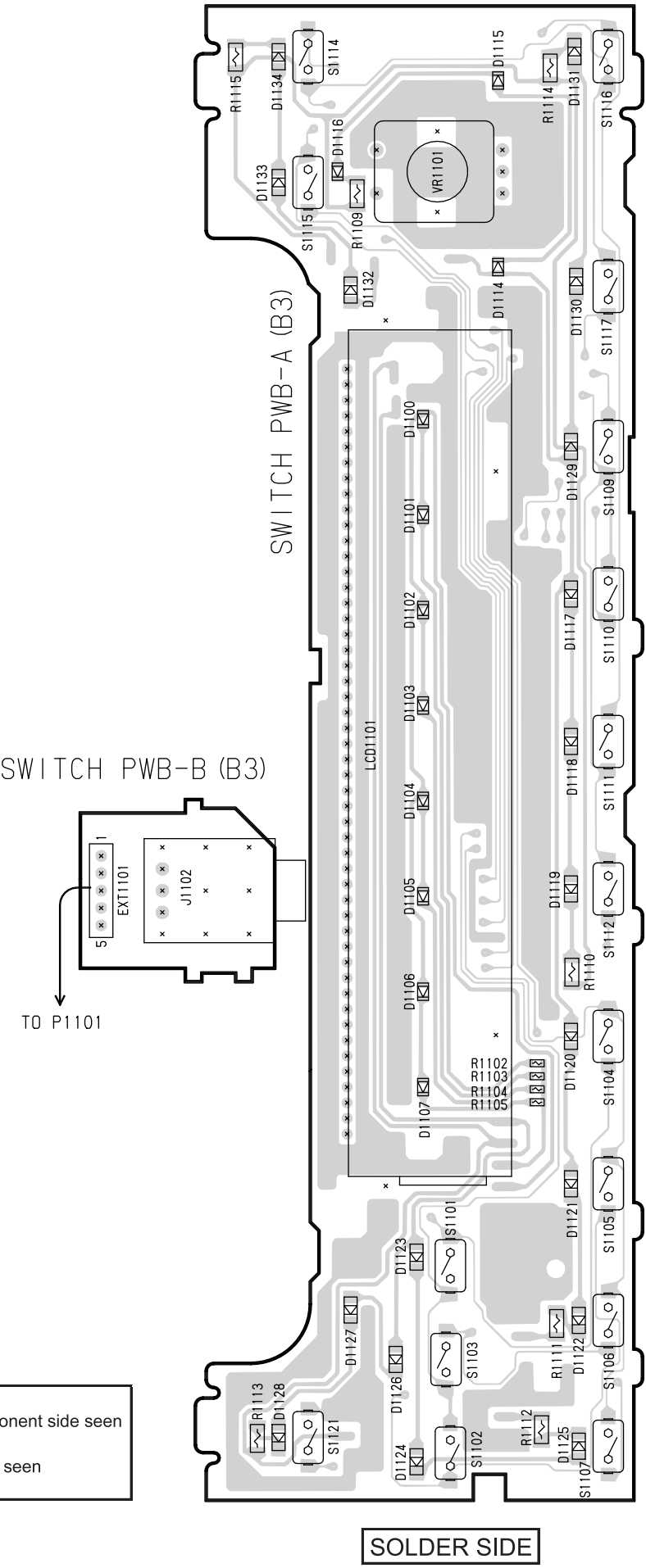




PRINTED WIRING BOARD  
Switch PWB(B3) section



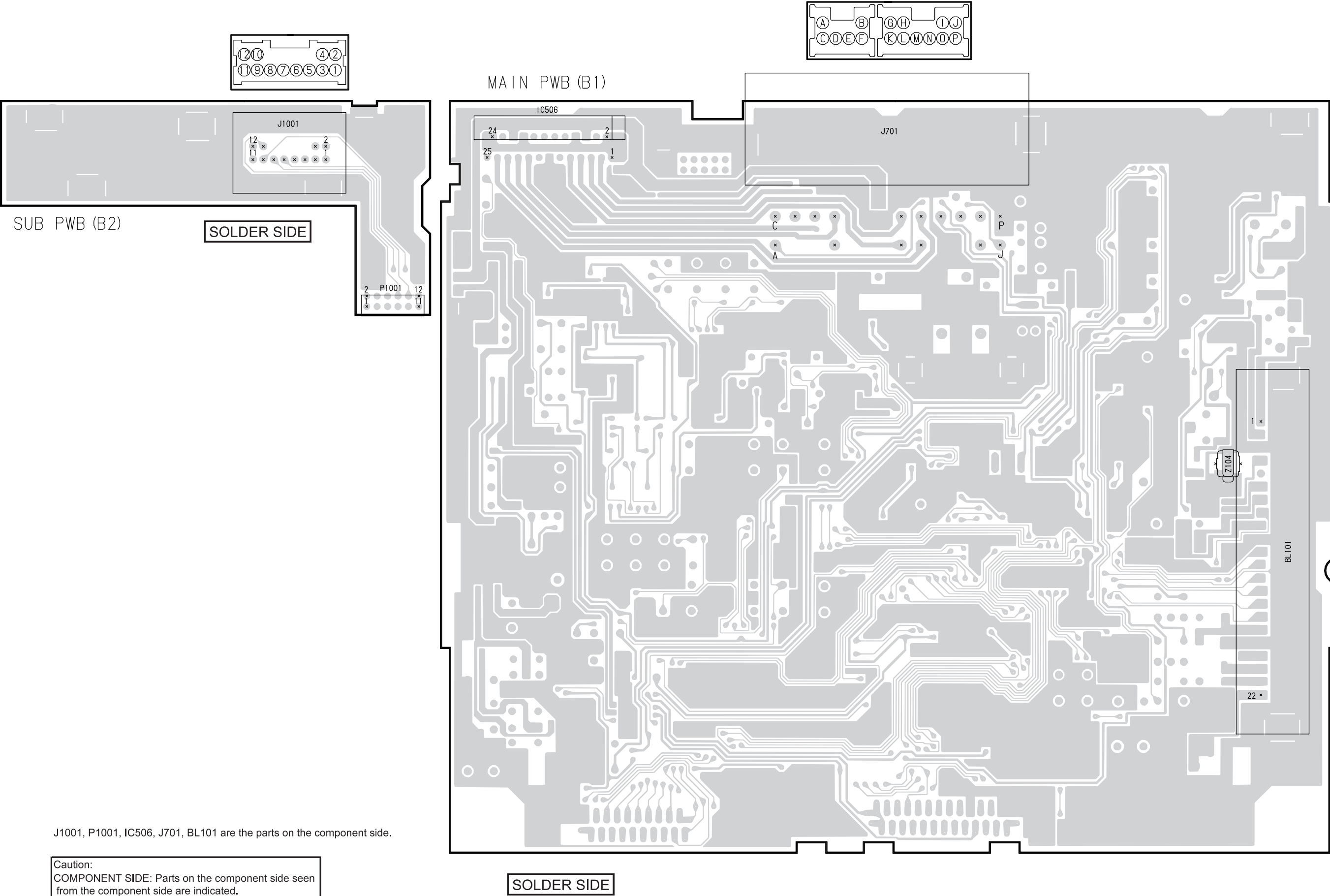
Caution:  
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.  
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.





## Main PWB(B1) / Sub PWB(B2) section





J1001, P1001, IC506, J701, BL101 are the parts on the component side.

Caution:  
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.  
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

## Main PWB(B1) 1/2 / Sub PWB(B2) section





TO 1/2 (PAGE 16)

